

## Refine Search

### Search Results -

Terms	Documents
L1 and (562/\$ or 424/\$)	1

**Database:**

US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

L2

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Monday, February 19, 2007   [Purge Queries](#)   [Printable Copy](#)   [Create Case](#)

**Set Name**   **Query**  
side by side

**Hit Count**   **Set Name**  
result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

L2   L1 and (562/\$ or 424/\$)

1

L2

L1   polyenecarboxylic acid and serpentemycin

1

L1

END OF SEARCH HISTORY

## Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

**Search Results** - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20040042981 A1

L2: Entry 1 of 1

File: PGPB

Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040042981

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040042981 A1

TITLE: Polyenecarboxylic acid derivatives, processes for preparing them, and their use

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Vertesy, Laszlo	Eppstein-Vockenhausen		DE
Kurz, Michael	Hofheim		DE
Wink, Joachim	Rodermark		DE

US-CL-CURRENT: 424/59; 562/426, 562/450, 562/466

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms	Documents
L1 and (562/\$ or 424/\$)	1

**Display Format:**

[Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

=>

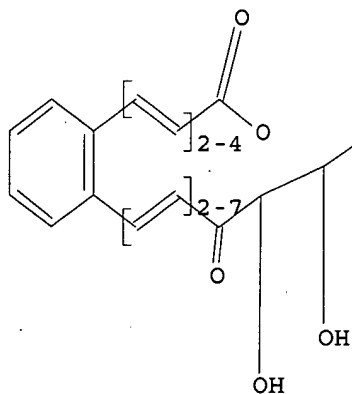
Uploading C:\Program Files\Stnexp\Queries\466b.str

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 16:40:31 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1060 TO ITERATE

100.0% PROCESSED 1060 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L5 0 SEA SSS FUL L4

L6 0 L5

=>

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 19 Feb 2007 VOL 146 ISS 9  
FILE LAST UPDATED: 18 Feb 2007 (20070218/ED)

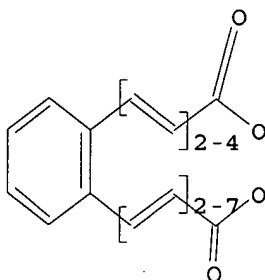
Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\466a.str

L1 STRUCTURE UPLOADED

=> d  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full  
REGISTRY INITIATED  
Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 16:38:33 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 20087 TO ITERATE

100.0% PROCESSED 20087 ITERATIONS  
SEARCH TIME: 00.00.01

9 ANSWERS

L2 9 SEA SSS FUL L1

L3

3 L2

=> d 1-3 ibib abs hitstr

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:673055 CAPLUS

DOCUMENT NUMBER: 141:328233

TITLE: Novel Polyene Carboxylic Acids from Streptomyces

AUTHOR(S): Wenzel, Silke C.; Bode, Helge B.

CORPORATE SOURCE: Pharmazeutische Biotechnologie, Universitaet des Saarlandes, Saarbruecken, D-66123, Germany

SOURCE: Journal of Natural Products (2004), 67(9), 1631-1633  
CODEN: JNPRDF; ISSN: 0163-3864

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Reinvestigation of the production of the unusual polyene carboxylic acid serpentene (1a) from Streptomyces sp. Tue 3851 revealed the presence of addnl. polyene carboxylic acids. The Me esters of the new all-trans serpentene (2) and four new dicarboxylic acids (3-6) were isolated after methylation of the isolated polyene fraction. The dicarboxylic acids might result from  $\omega$ - and  $\beta$ -oxidation of the parent compds. 1 and 2.

IT 773892-94-7 773892-95-8 773892-96-9  
773892-97-0

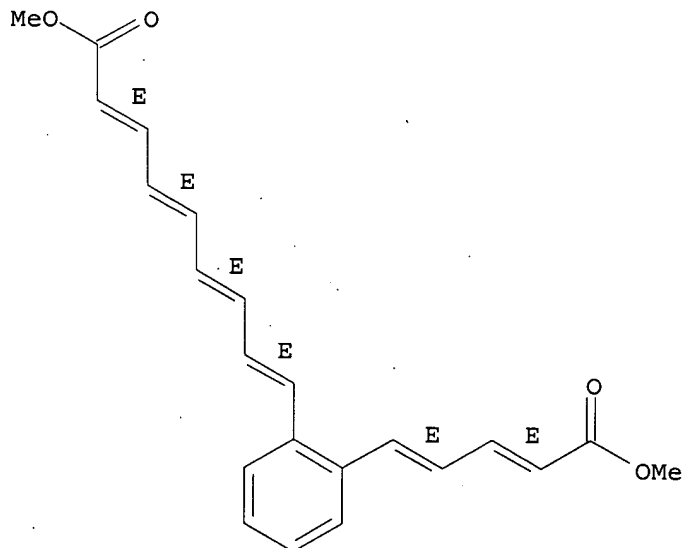
RL: NPO (Natural product occurrence); PRP (Properties); BIOL (Biological study); OCCU (Occurrence)

(novel polyene carboxylic acids from Streptomyces)

RN 773892-94-7 CAPLUS

CN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(1E,3E)-5-methoxy-5-oxo-1,3-pentadienyl]phenyl]-, methyl ester, (2E,4E,6E,8E)- (9CI) (CA INDEX NAME)

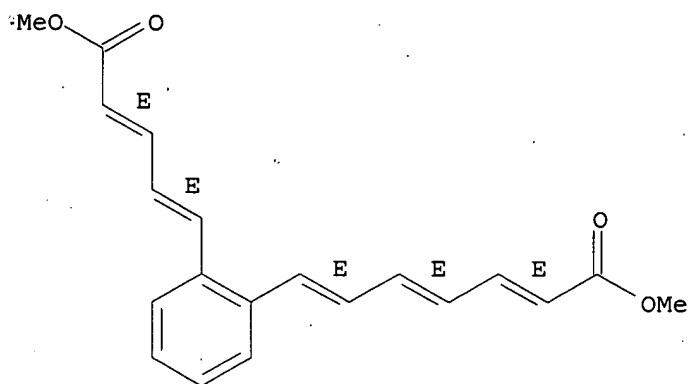
Double bond geometry as shown.



RN 773892-95-8 CAPLUS

CN 2,4,6-Heptatrienoic acid, 7-[2-[(1E,3E)-5-methoxy-5-oxo-1,3-pentadienyl]phenyl]-, methyl ester, (2E,4E,6E)- (9CI) (CA INDEX NAME)

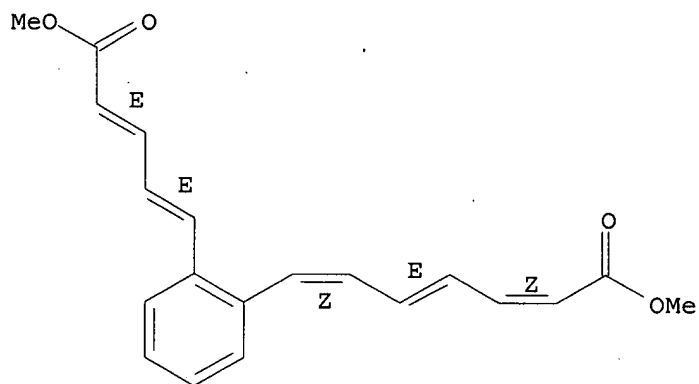
Double bond geometry as shown.



RN 773892-96-9 CAPLUS

CN 2,4,6-Heptatrienoic acid, 7-[2-[(1E,3E)-5-methoxy-5-oxo-1,3-pentadienyl]phenyl]-, methyl ester, (2Z,4E,6Z)- (9CI) (CA INDEX NAME)

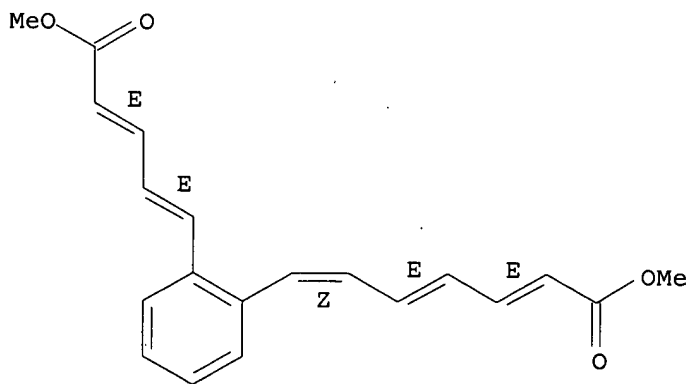
Double bond geometry as shown.



RN 773892-97-0 CAPLUS

CN 2,4,6-Heptatrienoic acid, 7-[2-[(1E,3E)-5-methoxy-5-oxo-1,3-pentadienyl]phenyl]-, methyl ester, (2E,4E,6Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT:

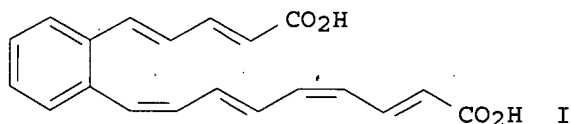
6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2004:36645 CAPLUS  
 DOCUMENT NUMBER: 140:92685  
 TITLE: Serpentemycines A-E, novel aromatic polyene  
 antibiotics produced by Actinomycetales DSM 14865  
 INVENTOR(S): Vertesy, Laszlo; Kurz, Michael; Wink, Joachim  
 PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany  
 SOURCE: Ger. Offen., 21 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10229713	A1	20040115	DE 2002-10229713	20020702
CA 2490570	A1	20040115	CA 2003-2490570	20030618
WO 2004005236	A1	20040115	WO 2003-EP6407	20030618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003281344	A1	20040123	AU 2003-281344	20030618
EP 1519909	A1	20050406	EP 2003-740270	20030618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003012337	A	20050412	BR 2003-12337	20030618
JP 2006502983	T	20060126	JP 2004-518540	20030618
US 2004042981	A1	20040304	US 2003-608466	20030627
PRIORITY APPLN. INFO.:				
			DE 2002-10229713	A 20020702
			US 2002-423473P	P 20021104
			WO 2003-EP6407	W 20030618

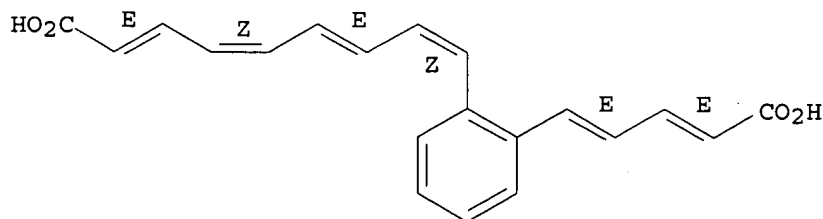
OTHER SOURCE(S): MARPAT 140:92685  
 GI



AB The present inventions provides the novel aromatic polyenes serpentemycines A(I)-E, their derivs., a fermentation process to produce them and their use for the treatment and prophylaxis of bacterial infectious diseases. Also provided is Actinomycetales strain DSM 14865 which is used to produce these metabolites.  
 IT 643764-51-6P, Serpentemycine A 643764-53-8P, Serpentemycine B 643764-55-0P, Serpentemycine C  
 RL: BMF (Bioindustrial manufacture); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation)  
 (serpentemycines A-E, novel aromatic polyene antibiotics produced by Actinomycetales DSM 14865)  
 RN 643764-51-6 CAPLUS  
 CN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(1E,3E)-4-carboxy-1,3-

butadienyl]phenyl]-, (2E,4Z,6E,8Z)- (9CI) (CA INDEX NAME)

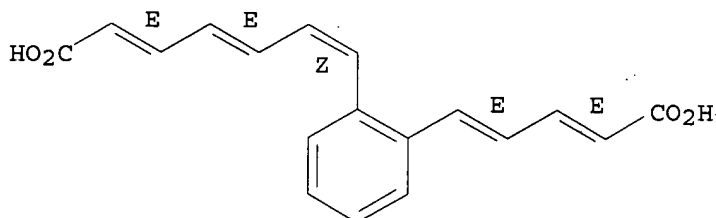
Double bond geometry as shown.



RN 643764-53-8 CAPLUS

CN 2,4,6-Heptatrienoic acid, 7-[2-[(1E,3E)-4-carboxy-1,3-butadienyl]phenyl]-, (2E,4E,6Z)- (9CI) (CA INDEX NAME)

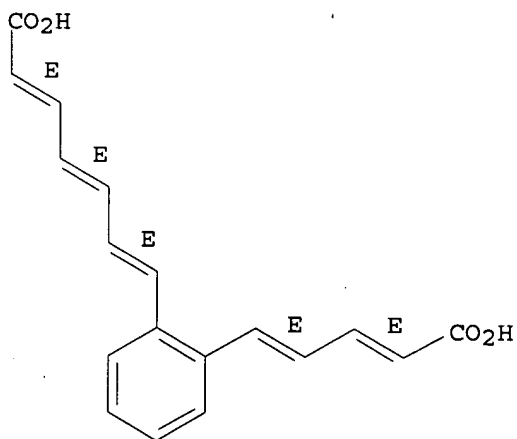
Double bond geometry as shown.



RN 643764-55-0 CAPLUS

CN 2,4,6-Heptatrienoic acid, 7-[2-[(1E,3E)-4-carboxy-1,3-butadienyl]phenyl]-, (2E,4E,6E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1977:422858 CAPLUS

DOCUMENT NUMBER: 87:22858

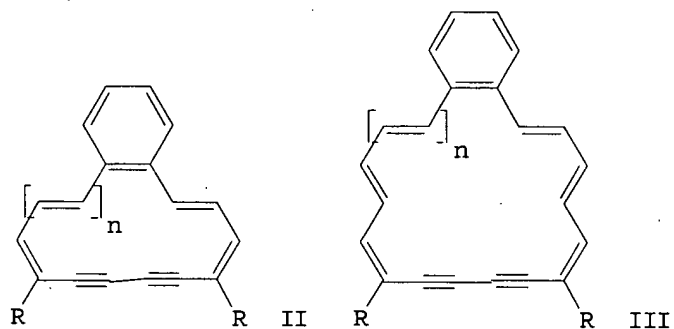
TITLE: Unsaturated macrocyclic compounds. 121. Synthesis of benzannelated bisdehydro[14]-, -[16]-, -[18]-, and -[20]annulenes

AUTHOR(S): Darby, Nicholas; Cresp, Terry M.; Sondheimer, Franz

CORPORATE SOURCE: Dep. Chem., Univ. Coll., London, UK

SOURCE: Journal of Organic Chemistry (1977), 42(11), 1960-7





CN 2,4-Pentadienoic acid, 5,5'-(1,2-phenylene)bis-, diethyl ester, (E,E,?,?)-(9CI) (CA INDEX NAME)

Chemical structure of (E)-1-phenyl-1,5-bis(ethoxycarbonyl)-1,3,5-hexatriene. The structure shows a central benzene ring connected to a 1,3,5-hexatriene chain. The chain has two ethoxycarbonyl (COOEt) groups at the 1 and 5 positions. The double bonds in the chain are in the E configuration, indicated by the 'E' labels.

CN 2,4,6-Heptatrienoic acid, 7-[2-(5-ethoxy-5-oxo-1,3-pentadienyl)phenyl]-, ethyl ester, (all-E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

